

E1  
CONT.

(a) performing a nucleic acid amplification reaction of the target nucleic acid to provide nucleic acid amplification products including amplified nucleic acid in a test solution containing a forward primer and a reverse primer, a substrate comprising nucleotides, wherein at least one of said nucleotides is labeled with a marker molecule capable of generating a detectable signal, a nucleic acid polymerase, and a target nucleic acid molecule;

(b) measuring a signal from the marker molecule in the test solution after initiation of the nucleic acid amplification reaction;

(c) evaluating a fluctuation motion of the amplified nucleic acid which is labeled with the marker molecule, in the test solution on the basis of the signal detected; and

(d) quantifying the target nucleic acid molecule on the basis of evaluation results.

E2

3. (Thrice Amended) A method according to claim 2, wherein, in the measurement step, the measurement is performed in a fluid.